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# Model #: SMART1500XL

## SmartPro 1.5kVA Line Interactive UPS, Extended-run option, Tower, USB, Serial, 120V

## Highlights

- 1.5kVA / 1500VA line interactive tower UPS system
- 120V output, Corrects brownouts and overvoltages from 75V to 147V
- Expandable runtime, Status LEDs with load level and battery capacity display
- USB & RS232 ports, 1 switched load bank, Hot-swap batteries
- NEMA 5-15P input, 6 NEMA 5-15R outlets

## Description

Tripp Lite's SMART 1500XL intelligent, line interactive UPS system protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 20 minutes half load runtime and 7 minutes at full load during power failures. Runtime is expandable with the addition of BP36V15-2U (limit 1) or BP36V42-3U external battery packs. 1500VA/980 watt power handling capability supports a variety of networking, telecom and various other application types. Includes a total of 6 outlets, 1 of which can be individually powered on and off via software interface to selectively reboot remote equipment or to shed less significant loads to extend battery runtime for more critical equipment. Supports remote monitoring of UPS and site power conditions via built-in USB and DB9 monitoring ports. Includes PowerAlert UPS monitoring and unattended shutdown software with complete cabling. Notification of system status via 5 LEDs and multi-function audible alarms. Wall mountable with UPSWM wallmount bracket. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges. Attractive, small-footprint tower housing uses less than 66 square inches of floor or desktop space.

Package Includes

- SMART1500XL UPS System
- USB and DB9 monitoring cables
- PowerAlert unattended shutdown and UPS/Power monitoring software

## Features

- 1500VA/980 watt power handling capability supports a variety of networking, telecom and various other application types
- Large internal batteries offer 20 minutes half load runtime and 7 minutes at full load during power failures
- Runtime is expandable with the addition of BP36V15-2U or BP36V42-3U external battery packs
- Automatic Voltage Regulation (AVR) circuits with two boost and one voltage reduction level maintains usable 120V nominal output over an input voltage range of 75-147V
- Includes a total of 6 NEMA5-15R outlets, 1 of which can be individually powered on and off via software interface to selectively reboot remote equipment or shed less significant loads to extend battery runtime for more critical equipment
- Includes 1 USB and 1 DB9 monitoring port for remote monitoring of UPS status and site power conditions
- PowerAlert UPS monitoring and unattended shutdown software with complete cabling included
- Notification of system status via 5 LEDs and multi-function audible alarms
- Wall mountable with UPSWM wallmount bracket
- Attractive small footprint black tower housing uses less than 66 square inches
- Built-in rear-exit cooling fan runs as needed to maintain optimal internal temperatures during extended run battery operation
- Hot-swappable/user replaceable batteries allow on-site battery replacement
- UPS battery set ships fully assembled and ready for installation, no time consuming connection of internal batteries by user is necessary
- Cold start capability enables UPS turn-on in battery mode during blackout conditions

## Specifications

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|---|---|
| **OUTPUT** | |
| **Output Volt Amp Capacity (VA)** | 1500 |
| **Output kVA capacity (kVA)** | 1.5 |
| **Output Watt Capacity (watts)** | 980 |
| **Output power factor** | 0.7 |
| **Nominal Output Voltage(s) Supported** | 120V |
| **Frequency compatibility** | 60 Hz |
| **Output voltage regulation (line mode)** | -18%, +8% |
| **Output voltage regulation (Battery mode)** | +/- 5% |
| **Built-in UPS output receptacles** | 6 5-15R outlet(s) |
| **Built-in controllable switched load banks** | One switchable single-outlet 5-15R load bank |
| **Output AC waveform (AC mode)** | Sine wave |
| **Output AC waveform (battery mode)** | PWM sine wave |
| **INPUT** | |
| **Rated input current (at maximum load)** | 12A |
| **Nominal Input Voltage(s) Supported** | 120V AC |
| **UPS input connection type** | 5-15P |
| **Input circuit breaker** | 15A |
| **UPS Input cord length (ft.)** | 6 |
| **UPS Input cord length (m)** | 1.8 |
| **Recommended Electrical Service** | 15A 120V |
| **BATTERY** | |
| **Full load runtime (minutes)** | 7 min. (980w) |
| **Half load runtime (minutes)** | 20 min. (490w) |
| **Expandable battery runtime** | Extended runtime supported via optional external battery packs |
| **External battery pack compatibility** | BP36V15-2U (limit 1); BP36V42-3U (multi-pack compatible) |
| **DC system voltage (VDC)** | 36 |
| **Battery recharge rate (included batteries)** | Less than 4 hours from 10% to 90% |

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| **Replacement battery cartridge (internal UPS battery replacement)** | RBC53 |
| **Battery Access** | Battery access door |
| **Battery replacement description** | Hot-swappable, user replaceable batteries |
| **VOLTAGE REGULATION** | |
| **Voltage regulation description** | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 75 to 147 |
| **Overvoltage correction** | Input voltages between 128 and 147 are reduced by 12% |
| **Undervoltage correction** | Input voltages between 93 and 107 are boosted by 14% |
| **Severe undervoltage correction** | Input voltages between 75 and 92 are boosted by 30% |
| **LEDS ALARMS & SWITCHES** | |
| **LED Indicators** | 5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status |
| **Alarms** | Audible alarm indicates power-failure, overload and low-battery conditions |
| **Alarm cancel operation** | Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status |
| **Switches** | 2 Switches control off/on power status and alarm-cancel/self-test operation |
| **SURGE / NOISE SUPPRESSION** | |
| **UPS AC suppression joule rating** | 480 |
| **UPS AC suppression response time** | Instantaneous |
| **EMI / RFI AC noise suppression** | Yes |
| **PHYSICAL** | |
| **Installation form factors supported with included accessories** | Tower |
| **Installation form factors supported with optional accessories** | Wallmount (UPSWM - tower mounting kit) |
| **Primary form factor** | Tower |
| **UPS / Power Module dimensions in primary form factor (height x width x depth / inches)** | 12.8 x 7.5 x 9.5 |
| **UPS / Power Module dimensions in primary form factor (height x width x depth / cm)** | 32.4 x 19 x 24.1 |
| **UPS / Power Module weight (lbs)** | 41.6 |
| **UPS / Power Module weight (kg)** | 18.9 |

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|---|---|
| **UPS Shipping dimensions (height x width x depth / inches)** | 18 x 11.8 x 13.5 |
| **UPS Shipping dimensions (height x width x depth / cm)** | 45.7 x 29.8 x 34.3 |
| **Shipping weight (lbs)** | 46.2 |
| **Shipping weight (kg)** | 21 |
| **UPS housing material** | PVC |
| **Cooling method** | Fan |
| **ENVIRONMENTAL** | |
| **Operating Temperature Range** | +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius |
| **Storage Temperature Range** | +5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius |
| **Relative Humidity** | 0 to 95%, non-condensing |
| **AC mode BTU / hr. (full load)** | 175.4 |
| **Battery mode BTU / hr. (full load)** | 454.4 |
| **COMMUNICATIONS** | |
| **Communications interface** | USB; DB9 Serial |
| **Network monitoring port description** | Supports detailed monitoring of UPS and site power conditions |
| **PowerAlert software** | Included |
| **Communications cable** | USB and DB9 cabling included |
| **WatchDog compatibility** | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| **LINE / BATTERY TRANSFER** | |
| **Transfer time** | 2-4 milliseconds |
| **Low voltage transfer to battery power (setpoint)** | 75 |
| **High voltage transfer to battery power (setpoint)** | 147 |
| **SPECIAL FEATURES** | |
| **Cold Start (startup in battery mode during a power failure)** | Cold-start operation supported |
| **High availability UPS features** | Hot swappable batteries |
| **Green & high efficiency features** | Greater than 95% efficiency - GREEN UPS; Individually controllable load banks |
| **CERTIFICATIONS** | |
| **UPS Certifications** | Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI) |
| **WARRANTY** | |

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| **Product Warranty Period (Worldwide)** | 2-year warranty, 3 year with registration. Note: registration is required for 3-year warranty. |
| **Connected Equipment Insurance (U.S., Canada & Puerto Rico)** | $250,000 Ultimate Lifetime Insurance |

## Related Items

**Optional Products**

| Related Model | Description | Qty. |
|---|---|---|
| UPSWM | Wallmount Bracket and installation accessories (4 washers, 4 screws, 1 Velcro safety strap) | 1 |
| WEXT5-500-1500 | 5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less | 1 |
| BP36V15-2U | BP36V15-2U - External Battery Pack for UPS System | 1 |
| BP36V42-3U | BP36V42-3U - External Battery Pack for UPS System | 1 |
| WATCHDOGSW | WatchDog Service Monitoring / Reboot Software | 1 |
| RBC53 | UPS Replacement Battery Cartridge Kit for select Tripp Lite, Best, Powerware, Liebert and other UPS | 1 |
| PDUB15 | Dual source Power Distribution Unit / PDU with Manual Transfer Switch enables Hot-swappable UPS Replacement in Critical Network Applications | 1 |
| PDU1215 | Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment | 1 |
| PDUMH15 | Metered PDU / Power Distribution Unit - Safe, reliable power distribution with digital current meter | 1 |
| PDUMH15AT | Metered PDU with ATS - Power Distribution Unit with dual-input Auto Transfer Switching | 1 |
| PDUMNH15 | Monitored PDU / Power Distribution Unit supports real-time remote monitoring of load level, voltage and frequency with options for remote environmental and security monitoring | 1 |
| PDUMNV15 | Monitored PDU / Power Distribution Unit supports real-time remote monitoring of load level, voltage and frequency with options for remote environmental and security monitoring | 1 |
| PDUMH15ATNET | Switched, Metered PDU with ATS - Power Distribution Unit with dual-input Auto Transfer Switching, individual outlet control and remote network interface | 1 |
| PDUMV15NET | Switched, Metered PDU with Remote Monitoring - 0U Vertical Rackmount Power Distribution Unit for Networks with Individually Switchable Outlets, Current Metering, Remote Monitoring and Control | 1 |
| P007-002 | 2-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P) | 1 |
| P007-006 | 6-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P) | 1 |
| P007-010 | 10-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P) | 1 |
| P010-012 | 12-ft. 18AWG Power cord (NEMA 5-15P to IEC-320-C13) | 1 |
| P022-001 | 1-ft. 18AWG Power Extension cord (NEMA 5-15R to NEMA 5-15P) | 1 |
| P023-001 | 1-ft. 14AWG Power Adapter cord (NEMA L5-15R to NEMA 5-15P) | 1 |
| P034-010 | 10-ft. 14AWG Heavy Duty Power cord ( IEC-320-C19 to NEMA 5-15P) | 1 |

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?variables.txtModelID=2799.

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